EOSDIS DAAC Summary Table

Name	Location	Data Management	Expertise
Atmospheric Sciences Data Center (ASDC)	NASA Langley Research Center	○ Spaceborne data: CERES, MISR, CALIPSO, ISCCP, SAGE III, MOPITT, TES and from field and airborne campaigns including DISCOVER-AQ, ATTREX, AirMISR, INTEX-A&B ○ Responsible for processing all science data products for CERES (on TRMM, Terra, Aqua, and SNPP) and MISR (on Terra) instruments ○ MEaSUREs Program datasets	○ Provides sensor-specific search tools as well as more general tools and services, such as atmosphere product subsetting ○ Provides unique expertise on Earth Radiation Budget, solar radiation, atmosphere composition, tropospheric chemistry and aerosols ○ Connectivity to LaRC science teams
Alaska Satellite Facility (ASF) DAAC	Geophysical Institute at the University of Alaska, Fairbanks	○ Spaceborne data: Seasat, RADARSAT-1 Advanced Land Observing Satellite (ALOS) PALSAR, European Remote Sensing Satellite-1, -2 (ERS-1 and -2), Japanese Earth Resources Satellite-1 (JERS-1) ○ Airborne mission data: Airborne SAR (AIRSAR), Jet Propulsion Laboratory Uninhabited Aerial Vehicle SAR (UAVSAR) ○ MEaSUREs Program datasets	○ Provides specialized support in SAR processing and enhanced data products for science researchers ○ Provides science support for Polar processes and land vegetation measurements associated with SAR instruments
Crustal Dynamics Data Information System (CDDIS)	NASA Goddard Space Flight Center	○ Data and derived products from a global network of observing stations equipped with one or more of the following measurement techniques: • Satellite Laser Ranging (SLR) and Lunar Laser Ranging (LLR) • Very Long Baseline Interferometry (VLBI) • Global Navigation Satellite System (GNSS) • Doppler Orbitography and Radiopositioning Integrated by Satellite (DORIS) ○ MEaSUREs Program datasets	○ Provides specialized data services in space geodesy and solid Earth dynamics ○ Connectivity to NASA's Space Geodesy Network of observing systems
Goddard Earth Sciences Data and Information Services Center (GES DISC) DAAC	NASA Goddard Space Flight Center	○ Process AIRS data into standard products. Generate near-real time products (as part of LANCE) ○ Spaceborne Data: AIRS, MLS, OMI, HIRDLS, SORCE, TRMM, UARS, TOMS, TOVS, ACOS, and starting in FY14: OCO-2, GPM ○ Model Data: GMAO, GDAS, GOCART ○ MEaSUREs Program datasets	○ Provides expertise is atmosphere composition and dynamics, global precipitation, global modeling ○ Provides expertise in interactive web-based visualization & analysis tools; tools for subsetting, format conversion, data quality screening and web-based OpenSearch services.
Global Hydrology Research Center (GHRC) DAAC	NASA Marshall Space Flight Center and the University of Alabama's Information Technology and Systems Center (ITSC)	○ Data management for space-based lightning data from nine instruments: 7 DMSP Operational Linescan System (OLS) instruments, the Optical Transient Detector (OTD) on Microlab-1, and TRMM Lightning Imaging Sensor (LIS). In addition, GHRC holds ancillary data from ground-based lightning sensors. ○ MEaSUREs Program datasets ○ Airborne: EV-1 HS3	○ Manages field campaign data from the GPM Ground Validation Program and the Hurricane Science Research Program including the Hurricane and Severe Storm Sentinel Venture mission, as well as satellite passive microwave data for analysis of our climate and the water and energy cycle.

Land Processes (LP) DAAC	USGS Earth Resources Observation and Science (EROS) Center in Sioux Falls, South Dakota	○ Processes, archives, and distributes ASTER data from Terra Spacecraft ○ Archives and distributes Land products from MODIS (both Terra & Aqua Spacecraft) ○ Distributes MEaSUREs products, including Global Forest Cover Change (GFCC), Web-Enabled Landsat Data (WELD), Shuttle Radar Topography Mission (SRTM), Vegetation Index & Phenology (VIP)	○ Provides expertise, tools and services for discovery and analysis of NASA's land cover and land use data ○ Provides expertise in Geographical Information Systems (GIS) ○ Connectivity to LANDSAT data ○ Co-located with USGS Remote sensing facilities
MODIS Level 1 and Atmosphere Data System (LAADS)	NASA Goddard Space Flight Center	○ Processes, archives and distributes Level 2 and 3 MODIS Atmosphere products and MODIS Level 1 products (calibrated radiances and geolocation) from Terra and Aqua	○ Supports extensive near real time data management for Fire Detection, Early Famine Warning, Flood Warnings, etc. ○ Experts in MODIS radiance data
National Snow and Ice Data Center (NSIDC) DAAC	Cooperative Institute for Research in Environmental Sciences, at University of Colorado Boulder	○ Archives and distributes products from AQUA AMSR-E, AVHRR, ICESat/GLAS, Cryosphere products from MODIS Terra and Aqua, NIMBUS, TOVS and field campaign datasets. ○ Archives and distributes products from MEaSUREs and field campaigns (Cold Land Processes)	○ Provides unique expertise in snow and ice datasets including the arctic ice minimum/ maximum extents, experts in Arctic Sea Ice and Greenland Ice Sheets
Ocean Data Processing System (ODPS) DAAC	NASA Goddard Space Flight Center	○ Processes, archives and distributes products from VIIRS/SNPP, MODIS/Terra and Aqua, SeaWiFS/OV-2, CZCS/NIMBUS-7, Aquarius / SAC-D, HICO/ISS, MERIS/Envisat, OCM-2/Oceansat-2, MOS/IRS-P3, OCTS/ADEOS, and GOCI/COMS. ○ Archives and distributes products from MEaSUREs projects	○ Provides expertise to users on sensor calibration / characterization, user-enabled processing software using SeaDAS, product validation by users through SeaBASS
Oak Ridge National Lab (ORNL) DAAC	Dept. of Energy's Oak Ridge National Laboratory	○ Field campaigns: Terrestrial Ecology intensive campaigns to address key scientific questions ○ Land validation: provides field data to assess the accuracy and uncertainty of NASA's remote sensing products ○ Model Archive includes the source code, input data, and output results for standardized terrestrial biogeochemical models, many supporting the North American Carbon Program ○ Regional and global data: Collections of data for Climate, Vegetation, Soil and other environmental variables ○ EV-1 CARVE and AirMOSS	○ Provides specialized data tools and services for terrestrial ecologists including the Spatial Data Access Tool, WebGIS, and MODIS Land Product Subsets . These tools enable ecologists to focus on data parameters from instruments like MODIS without having to break down large volume datasets. ○ Co-located with the Dept. of Energy Atmosphere Radiation Measurement (ARM) Climate Research Facility
Physical Oceanography (PO) DAAC	Jet Propulsion Laboratory	○ Processes, archives and distributes data from oceanography missions and projects, including Aquarius, GRACE, NSCAT, QuikSCAT, Jason-1, TOPEX/POSEIDON, GHRSST, and MEaSUREs.	○ Provides specific expertise in gravity data sets, sea surface temperature and salinity, ocean surface topography, ocean currents and circulation.
Socio-Economic DAAC (SEDAC)	Center for International Earth Science Information Network (CIESIN), at Columbia University.	○ Human population distribution on a latitude-longitude grid (U.S. and global) ○ Human settlements and infrastructure, including roads, reservoirs, and dams ○ Ecosystem, agriculture, and wetlands data ○ Intergovernmental Panel on Climate Change (IPCC) socioeconomic scenarios ○ Environmental sustainability indicators ○ Global data on natural hazards, poverty, and air and water pollution	o Co-located with the Center for International Earth Science Information Network at the Columbia University o Creates complex, custom datasets from NASA remote sensing products merged with socio-economic data e.g. census data